

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(currently amended): A radio base station apparatus comprising:

a receiving section for receiving a packet via a radio transmission path;

a judging section for judging the packet on whether or not an address designating a transmitting end thereof is in a predetermined range of addresses that are different from the address allocated to a wireless zone formed by a local station and allocated to a wireless zone adjacent to said wireless zone; and

a network interfacing section for routing the packet that is addressed to a local station when a judgment result is true, and forwarding to a radio base station the packet ~~to a radio base station~~ that is not addressed to the local station when the judgment result is false, the radio base station forming the wireless zone adjacent to a wireless zone formed by a local station.

2.(original): The radio base station apparatus according to claim 1, wherein

said network interfacing section forwards a packet which has arrived from a destination of the received packet, to the radio base station forming the adjacent wireless zone.

3.(original): The radio base station apparatus according to claim I, wherein

said network interfacing section forwards the packet via a link when the judgment result is false, the link being formed between the radio base station apparatus and the radio base station forming the adjacent wireless zone.

4.(original): The radio base station apparatus according to claim 2, wherein

said network interfacing section forwards the packet via a link when the judgment result is false, the link being formed between the radio base station apparatus and the radio base station forming the adjacent wireless zone.

5.(original): The radio base station apparatus according to claim 1, wherein

said network interfacing section forwards the packet via a path when the judgment result is false, the path being formed between the radio base station apparatus and the radio base station forming the adjacent wireless zone.

6.(original): The radio base station apparatus according to claim 2, wherein

said network interfacing section forwards the packet via a path when the judgment result is false, the path being formed between the radio base station apparatus and the radio base station forming the adjacent wireless zone.

7.(original): The radio base station apparatus according to claim 3, wherein

said link is formed for each group of radio base stations individually forming adjacent wireless zones.

8.(original): The radio base station apparatus according to claim 4, wherein

said link is formed for each group of radio base stations individually forming adjacent wireless zones.

9.(previously presented): The radio base station apparatus according to claim 1, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the wireless zone formed by the local station and to the adjacent wireless zone, to determine a path to be used for forwarding in a higher layer than a physical layer of a packet which has arrived from a destination of the received packet, to the radio base station forming the adjacent wireless zone.

10.(original): The radio base station apparatus according to claim 2, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the wireless zone formed by the local station and its adjacent wireless zone, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to the radio base station forming the adjacent wireless zone.

11.(original): The radio base station apparatus according to claim 5, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the wireless zone formed by the local station and its adjacent wireless zone, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to the radio base station forming the adjacent wireless zone.

12.(original): The radio base station apparatus according to claim 6, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the wireless zone formed by the local station and its adjacent wireless zone, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to the radio base station forming the adjacent wireless zone.

13.(previously presented): The radio base station apparatus according to claim 1, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the wireless zone formed by the local station and its adjacent wireless zone, to determine a physical layer link to be used for forwarding a packet which has arrived from a destination of the received packet, to the radio base station forming the adjacent wireless zone.

14.(original): The radio base station apparatus according to claim 1, further comprising

a monitoring section for gleaning transmission performance of a packet that arrives at the radio base station forming the adjacent wireless zone from a destination of the received packet, wherein

said network interfacing section forwards the arriving packet only to a radio base station at which the transmission performance gleaned by said monitoring section exceeds a predetermined threshold value.

15.(original): The radio base station apparatus according to claim 1, further comprising:

a visiting base station determining section for determining one of the local station and the radio base station forming the adjacent wireless zone as a specific radio base station which is the one receiving a packet latest and/or receiving a packet at a highest level; and

a downstream packet transmitting section for judging whether or not the specific radio base station is the local station, and transmitting a packet transmitted from a destination of the received packet to the radio transmission path when the judgment result is true, and to the specific radio base station when the judgment result is false.

16.(original): The radio base station according to claim 1, further comprising:

a downstream packet distributing section for distributing a packet transmitted from a destination of the received packet to the radio base station forming said adjacent wireless zone; and

a downstream packet transmitting section for comparing the local station to the radio base station forming the adjacent wireless zone to judge whether or not the local station receives a packet latest at its receiving section and/or receives a packet at a highest level, and transmitting the packet transmitted from the destination of the received packet to the radio transmission path only when the judgment result is true.

17.-19. (canceled)